

Notice of Allowability

Application No.

09/995,718

Applicant(s)

WON ET AL.

Examiner

Art Unit

Luke S. Wassum

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 24 August 2005.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____



Luke S. Wassum
Primary Examiner
Art Unit 2167

DETAILED ACTION

Response to Amendment

1. The Applicants' amendment, filed 24 August 2005, has been received, entered into the record, and considered.
2. There were no amendments to the claims. Claims 1-14 remain pending in the application.

Priority

3. The Applicants' claim to foreign priority under 35 U.S.C. § 119(a)-(d) to Korean Patent KR 2001-44269, filed 23 July 2001, is acknowledged. The priority papers supporting the claim have been received and entered into the record.

The Invention

4. The claimed invention is drawn to a system and method for drawing a patent map using a technical field word, said word being extracted by calculating weight values of significant words from the patent data.

Allowable Subject Matter

5. Claims 1-14 are allowed.
6. The following is an examiner's statement of reasons for allowance:

Art Unit: 2167

The present invention is directed to a system for drawing a patent map using a technical field word, including downloading patent information, parsing and extracting sentences, clauses and words from patent documents, weighting words by significance, matching patent documents with extracted words, and mapping the resulting retrieved patent documents.

The closest prior art of record, **Snyder et al.** (U.S. Patent 6,038,561) teaches a system for analyzing and displaying information contained in a plurality of documents employing both term-based analysis and conceptual-representation analysis, and is particularly well suited for analyzing patent texts, such as patent claims, abstracts and other portions of a patent document.

However, **Snyder et al.** fails to anticipate or render obvious the recited feature of determining the significance of a word over the entire collection of patent documents by first calculating a weighted value representing the significance of the term within each individual patent document and then adding the weighted values for respective words for each of the patent documents, as in independent claims 1, 5, 8 and 14.

This feature, together with the other limitations of the independent claims are novel and non-obvious over the prior art of record. The dependent claims 2-4, 6, 7 and 9-13 being definite, enabled by the specification, and further limiting to the independent claim, are also allowable.

Art Unit 2167

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Katariya et al. (U.S. Patent 6,473,753) teaches a weighting system for calculating the term-document importance for each term within each document that is part of a collection of documents (i.e., a corpus).

Art Unit: 2167


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luke S. Wassum whose telephone number is 571-272-4119. The examiner can normally be reached on Monday-Friday 8:30-5:30, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jean R. Homere can be reached on 571-272-3780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

In addition, INFORMAL or DRAFT communications may be faxed directly to the examiner at 571-273-4119. Such communications must be clearly marked as INFORMAL, DRAFT or UNOFFICIAL.

Customer Service for Tech Center 2100 can be reached during regular business hours at (571) 272-2100, or fax (571) 273-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Luke S. Wassum
Primary Examiner
Art Unit 2167

lsw
6 January 2006